

Title (en)

SEALING ASSEMBLY FOR SEALING THROUGH HOLE, AND METHOD AND DEVICE FOR PREPARING CELL

Title (de)

DICHTUNGSANORDNUNG ZUR ABDICHTUNG EINES DURCHGANGSLOCHS UND VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER ZELLE

Title (fr)

ENSEMBLE D'ÉTANCHÉITÉ POUR SCELLER UN TROU TRAVERSANT, ET PROCÉDÉ ET DISPOSITIF POUR PRÉPARER UNE CELLULE

Publication

EP 4131635 A1 20230208 (EN)

Application

EP 21929793 A 20210712

Priority

- CN 202110262539 A 20210310
- CN 2021105758 W 20210712

Abstract (en)

Disclosed in embodiments of the present application are a sealing assembly for sealing a through hole, and a method and device for preparing a cell. The sealing assembly comprises a sealing jacket provided in the through hole and provided with a cavity and an opening, the opening being communicated with the cavity; an elastic sleeve provided in the cavity, the elastic sleeve being provided with a first mounting hole extending in the axis direction of the through hole; and a middle rod provided in the first mounting hole and threadedly connected to the elastic sleeve, such that the elastic sleeve expands in the radial direction of the through hole to extrude the sealing jacket, and a protruding portion for riveting the sealing jacket to the through hole is formed on the outer wall of the elastic sleeve. According to the sealing assembly for sealing the through hole and the method and device for preparing the cell in the embodiments of the present application, the sealing performance for the through hole in the cell can be improved.

IPC 8 full level

H01M 50/636 (2021.01)

CPC (source: EP KR US)

H01M 50/103 (2021.01 - EP KR); **H01M 50/184** (2021.01 - EP KR US); **H01M 50/186** (2021.01 - EP KR); **H01M 50/19** (2021.01 - EP); **H01M 50/209** (2021.01 - EP KR US); **H01M 50/636** (2021.01 - EP US); **H01M 50/645** (2021.01 - EP KR); **H01M 50/193** (2021.01 - EP); **H01M 2220/20** (2013.01 - EP KR); **H01M 2220/30** (2013.01 - EP KR); **Y02E 60/10** (2013.01 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4131635 A1 20230208; **EP 4131635 A4 20231129**; CN 112635934 A 20210409; CN 112635934 B 20210730; JP 2023516231 A 20230418; JP 7387031 B2 20231127; KR 102541167 B1 20230613; KR 20220154835 A 20221122; US 2023223626 A1 20230713; WO 2022188323 A1 20220915

DOCDB simple family (application)

EP 21929793 A 20210712; CN 202110262539 A 20210310; CN 2021105758 W 20210712; JP 2022568634 A 20210712; KR 20227038853 A 20210712; US 202318180815 A 20230308